

Amendments to the Claims

Please **rewrite** claim 1 as indicated.

1. (Currently Amended) An active-matrix image display device comprising:
 - several light emitters forming an array of emitters distributed in rows and columns;
 - means for controlling the emission of the emitters comprising:
 - for each emitter of the array, a current modulator comprising a source electrode, a drain electrode and a gate electrode, a drain current being able to pass through said modulator in order to supply said emitter, for a voltage between the drain or the source and the gate equal to or greater than a trip-threshold voltage,
 - for each modulator, storage means capable of storing electric charges at the gate electrode of the modulator,
 - for each row of emitters, row select means capable of selecting in succession the emitters of each row of emitters, for programming these emitters, and
 - for each column of emitters, column address means capable of addressing in succession each selected emitter of said column of emitters by applying, during the programming step of this selected emitter, a value representative of a data setpoint to the gate electrode of the modulator associated with this selected emitter, in order to actuate it,
 - current supply means capable of one single DC voltage generator for supplying current simultaneously to all of the emitters of each column through a same and single supply line during both emission steps and programming steps of the emitters of said column, as soon as the modulator of each column is turned on; and
 - trip-threshold voltage compensation means comprising

comparators, the comparators being capable of comparing, during the step of programming a selected emitter, a value representative of the drain current supplying the selected emitter with the value representative of the data setpoint for controlling the quantity of charge stored in the storage means,

wherein the compensation means comprise, for each column of emitters, one single separate unit for determining a representative value of the drain current supplying the selected emitter of this column by measuring the total current supplying all of the emitters of this column, and for turning on the emitters already during the programming step.

2. (Previously Presented) The image display device as claimed in claim 1, wherein the current supply means for the emitters are connected directly to each modulator of the control means.

3. (Previously Presented) The image display device as claimed in claim 1, wherein the current supply means for the emitters are connected directly to each emitter of a column through one single current supply line.

4. (Previously Presented) The image display device as claimed in claim 1, wherein the current supply means for the emitters comprise a voltage supply generator capable of supplying all of the emitters of a column through one single current supply line and wherein the compensation means are capable of compensating in succession the trip-threshold voltage of each modulator of all of the emitters of this column.

5. (Previously Presented) The image display device as claimed in claim 1, wherein the compensation means further include:

- a drive generator capable of generating a drive signal applied to the gate of said modulator; and
- means for modulating the duration of said drive signal

according to the value of the data setpoint and the value of the trip-threshold voltage.

6. (Previously Presented) The image display device as claimed in claim 5, wherein the data setpoint is a data voltage and wherein the comparators are capable of emitting a warning signal when the voltage representative of the intensity of the drain current is equal to a number of times said data voltage.

7. (Previously Presented) The image display device as claimed in claim 6, wherein the means for modulating the duration of the drive signal comprise:

- a switch connected in series with the drive generator; and
- a control unit capable of switching said switch, on the one hand, when the data setpoint is received, and on the other hand, when the warning signal is received.

8. (Previously Presented) The image display device as claimed in claim 5, wherein the drive signal generated by the drive generator is amplitude-modulated according to the value of the data setpoint.

9. (Previously Presented) The image display device as claimed in claim 5, wherein the drive generator is a current generator and the modulator is capable of being current-controlled.

10. (Previously Presented) The image display device as claimed in claim 5, wherein the drive generator is a ramp voltage generator and the modulator is capable of being voltage-controlled.

11. (Previously Presented) The image display device as claimed in claim 1, wherein the compensation means further include a unit for measuring the intensity of a current, capable of measuring the intensity of the drain current passing through a selected emitter during the programming step.
12. (Previously Presented) The image display device as claimed in claim 11, wherein the supply means comprise a line to which the measurement unit is directly connected.
13. (Previously Presented) The image display device as claimed in claim 1, wherein the storage means comprise at least one storage capacitor connected to the gate and to the source of the modulator and wherein the compensation means further include reset means capable of applying a voltage pulse to said capacitor in order to discharge it.